AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A method for electroless plating, wherein:

the method for electroless plating is that for applying to a polymer electrolyte;

the method for electroless plating contains a pre-treatment step;

the pre-treatment step is a swelling step for swelling the polymer electrolyte by

means of permeation of a good solvent or a mixed solvent containing a good solvent; and

the swelling step is a step for making a thickness of the polymer electrolyte in a

swollen state to be 110% or more that of the polymer electrolyte in a dry state.

2. (Original) The method for electroless plating for applying to a polymer

electrolyte as claimed in claim 1, characterized in that the swelling step is a step for making a

thickness of the polymer electrolyte in a swollen state to be 110 to 3000% with respect to that of

the polymer electrolyte in a dry state.

3. (Original) A method for manufacturing a laminate comprising a metal layer

and a polymer electrolyte, wherein:

the manufacturing method is that for applying electroless plating to a polymer

electrolyte;

the method for electroless plating contains a pre-treatment step;

the pre-treatment step is a swelling step for swelling the polymer electrolyte by

means of permeation of a good solvent or a mixed solvent containing a good solvent;

the swelling step is a step for making a thickness of the polymer electrolyte in a

swollen state to be 110% or more that of the polymer electrolyte in a dry state;

after the swelling step, an adsorption step and a reduction step are carried out;

Application No. 10/540,451 Amendment dated Feb. 2, 2010 In Reply to Office Action of Nov. 4, 2009 Attorney Docket No. 3163-051952

the adsorption step is a step for adsorbing a metal complex to the polymer electrolyte; and

the reduction step is a step for allowing a reductant solution to be in contact with the polymer electrolyte to which the metal complex has been adsorbed.

- 4. (Original) The method for manufacturing a laminate as claimed in claim 3, characterized in that the swelling step allows a good solvent or a mixed solvent containing a good solvent to permeate into the polymer electrolyte, whereby a degree of crystallization of the polymer electrolyte is reduced, so that intertwist of side chains containing at least functional groups in a polymer constituting the polymer electrolyte is moderated.
- 5. (Previously Presented) The method for manufacturing a laminate as claimed in claim 3, wherein the good solvent is methanol.
- 6. (Previously Presented) The method for manufacturing a laminate as claimed in claim 3, wherein the polymer electrolyte is an ion-exchange resin, and the good solvent is a mixed solution consisting of a basic salt and methanol.
 - 7. (Original) A method for electroless plating, wherein: the method for electroless plating is that for applying to a polymer electrolyte; the method for electroless plating contains a pre-treatment step;

the pre-treatment step is a swelling step for swelling the polymer electrolyte by means of permeation of an aqueous solution of a salt; and

the swelling step is a step for making a thickness of the polymer electrolyte in a swollen state to be 110% or more that of the polymer electrolyte in a dry state.

8. (Original) A method for manufacturing a laminate comprising a metal layer and a polymer electrolyte, wherein:

the manufacturing method is that for applying electroless plating to a polymer

Application No. 10/540,451 Amendment dated Feb. 2, 2010 In Reply to Office Action of Nov. 4, 2009 Attorney Docket No. 3163-051952

electrolyte;

the method for electroless plating contains a pre-treatment step;

the pre-treatment step is a swelling step for swelling the polymer electrolyte by means of permeation of an aqueous solution of a salt;

the swelling step is a step for making a thickness of the polymer electrolyte in a swollen state to be 110% or more that of the polymer electrolyte in a dry state;

after the swelling step, an adsorption step and a reduction step are carried out;

the adsorption step is a step for adsorbing a metal complex to the polymer electrolyte; and

the reduction step is a step for allowing a reductant solution to be in contact with the polymer electrolyte to which the metal complex has been adsorbed.

9-12. (Canceled).

- 13. (Previously Presented) The method for manufacturing a laminate as claimed in claim 4, wherein the good solvent is methanol.
- 14. (Previously Presented) The method for manufacturing a laminate as claimed in claim 4, wherein the polymer electrolyte is an ion-exchange resin, and the good solvent is a mixed solution consisting of a basic salt and methanol.

15. (Canceled).

- 16. (New) The method for electroless plating as claimed in claim 1, wherein the polymer electrolyte is an ion-exchange resin.
- 17. (New) The method for manufacturing a laminate as claimed in claim 3, wherein the polymer electrolyte is an ion-exchange resin.

Application No. 10/540,451 Amendment dated Feb. 2, 2010 In Reply to Office Action of Nov. 4, 2009 Attorney Docket No. 3163-051952

- 18. (New) The method for electroless plating as claimed in claim 7, wherein the polymer electrolyte is an ion-exchange resin.
- 19. (New) The method for manufacturing a laminate as claimed in claim 8, wherein the polymer electrolyte is an ion-exchange resin.
- 20. (New) The method for electroless plating as claimed in claim 1, wherein the good solvent contains at least one solvent selected from the group consisting of: methanol, ethanol, propanol, hexafluoro-2-propanol, dimethyl sulfoxide, N-methylpyrrolidone, dimethylformamide, ethylene glycol, diethylene glycol, and glycerin.
- 21. (New) The method for manufacturing a laminate as claimed in claim 3, wherein the good solvent contains at least one solvent selected from the group consisting of: methanol, ethanol, propanol, hexafluoro-2-propanol, dimethyl sulfoxide, N-methylpyrrolidone, dimethylformamide, ethylene glycol, diethylene glycol, and glycerin.
- 22. (New) The method for manufacturing a laminate as claimed in claim 3, wherein the laminate is used as an actuator element.
- 23. (New) The method for manufacturing a laminate as claimed in claim 8, wherein the laminate is used as an actuator element.